

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("6029302").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/31 12:55
S2	5	("2172636"   "2948143"   "4185809").PN. OR ("6029302").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/31 12:55
S3	1	("20060102650").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/31 13:51
S4	2	("20060102650").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/10/31 13:51
S5	0	cleaning "pig\$1line" "pig station"	US-PGPUB; USPAT	ADJ	ON	2007/10/31 13:54
S6	0	"pig\$1line" "pig station"	US-PGPUB; USPAT	ADJ	ON	2007/10/31 13:54
S7	15	"pig station"	US-PGPUB; USPAT	ADJ	ON	2007/10/31 13:54
S8	8	S7 and paint	US-PGPUB; USPAT	ADJ	ON	2007/10/31 13:54
S9	0	"pig\$1line" and "pig station"	US-PGPUB; USPAT	ADJ	ON	2007/10/31 13:57
S10	0	"pig\$1line" and paint	US-PGPUB; USPAT	ADJ	ON	2007/10/31 13:57
S11	0	"pigline" and paint	US-PGPUB; USPAT	ADJ	ON	2007/10/31 13:57
S12	0	pigline	US-PGPUB; USPAT	ADJ	ON	2007/10/31 13:57
S13	136	pig line	US-PGPUB; USPAT	ADJ	ON	2007/10/31 13:57
S14	7	(pig line) and paint	US-PGPUB; USPAT	ADJ	ON	2007/10/31 13:57
S15	104	scraper and paint	US-PGPUB; USPAT	ADJ	ON	2007/10/31 13:58
S16	4	scraper.clm. and paint	US-PGPUB; USPAT	ADJ	ON	2007/10/31 13:58
S17	330	scraper.clm. and paint	US-PGPUB; USPAT	ADJ	ON	2007/10/31 13:58
S18	136	(pig line)	US-PGPUB; USPAT	ADJ	ON	2007/10/31 14:05
S19	15	pig station	US-PGPUB; USPAT	ADJ	ON	2007/10/31 14:05
S20	0	pig "cleaning agent"	US-PGPUB; USPAT	ADJ	ON	2007/10/31 14:11

S21	170	pig and "cleaning agent"	US-PGPUB; USPAT	ADJ	ON	2007/10/31 14:11
S22	180	pig and "cleaning agent"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2007/10/31 14:11
S23	10	pig and "cleaning agent"	DERWENT	ADJ	ON	2007/10/31 14:12
S24	4	S21 and two pigs	US-PGPUB; USPAT	ADJ	ON	2007/10/31 14:14
S25	1	"20020064601"	US-PGPUB; USPAT	ADJ	ON	2007/10/31 14:16
S26	2	((("5882428") or ("6037010"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/31 14:23
S27	13	"134".clas. and (two pigs)	US-PGPUB; USPAT	ADJ	ON	2007/10/31 15:02
S28	0	"134".clas. and pig and celaning agent	US-PGPUB; USPAT	ADJ	ON	2007/10/31 15:03
S29	7	"134".clas. and pig and cleaning agent	US-PGPUB; USPAT	ADJ	ON	2007/10/31 15:03
S30	170	pig and cleaning agent	US-PGPUB; USPAT	ADJ	ON	2007/10/31 15:04
S31	32	pig and (cleaning agent) and paint	US-PGPUB; USPAT	ADJ	ON	2007/10/31 15:05
S32	307	pig and cleaning and paint	US-PGPUB; USPAT	ADJ	ON	2007/10/31 15:06
S33	8	pig and paint and (pig station)	US-PGPUB; USPAT	ADJ	ON	2007/10/31 15:06
S34	18	pig and paint and (two pig)	US-PGPUB; USPAT	ADJ	ON	2007/10/31 15:07
S35	3	("4390126"   "6582774"   "6589348").PN.	US-PGPUB; USPAT	ADJ	ON	2007/10/31 15:14
S36	9	((("6061872") or ("6339864") or ("6532626") or ("6615452") or ("6757939") or ("6715180") or ("6925682") or ("7075053") or ("7244006"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/31 15:29
S37	65	137/15.05.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/10/31 15:59
S38	4	S37 and pig	US-PGPUB; USPAT	ADJ	ON	2007/10/31 16:00
S39	8	S37 and pig\$	US-PGPUB; USPAT	ADJ	ON	2007/10/31 16:01
S40	2	S37 and "cleaning agent"	US-PGPUB; USPAT	ADJ	ON	2007/10/31 16:01

S41	86	137/15.04.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/10/31 16:03
S42	7	S41 and pig\$	US-PGPUB; USPAT	ADJ	ON	2007/10/31 16:03
S43	688	"137".clas. and pig\$	US-PGPUB; USPAT	ADJ	ON	2007/10/31 16:05
S44	7	"137".clas. and pig\$ and "cleaning agent"	US-PGPUB; USPAT	ADJ	ON	2007/10/31 16:05
S45	186	"137".clas. and pig\$ and cleaning	US-PGPUB; USPAT	ADJ	ON	2007/10/31 16:07
S46	41	"137".clas. and pig\$ and cleaning.clm.	US-PGPUB; USPAT	ADJ	ON	2007/10/31 16:07
S47	5	118/684.ccls. and pig	US-PGPUB; USPAT	ADJ	ON	2007/11/01 09:14
S48	1017	galloway.in.	US-PGPUB; USPAT	ADJ	ON	2007/11/01 16:08
S49	1	S48 and velocity and pig	US-PGPUB; USPAT	ADJ	ON	2007/11/01 16:08
S50	30	"pig speed"	US-PGPUB; USPAT	ADJ	ON	2007/11/01 16:09
S51	3137	pig and speed and compressed	US-PGPUB; USPAT	ADJ	ON	2007/11/01 16:13
S52	148	pig.clm. and speed and compressed	US-PGPUB; USPAT	ADJ	ON	2007/11/01 16:13
S53	68	pig.clm. and (speed or velocity) and (compressed (gas or air))	US-PGPUB; USPAT	ADJ	ON	2007/11/01 16:13
S54	0	cleaning adj2 pig station	US-PGPUB; USPAT	ADJ	ON	2007/11/05 11:45
S55	11	cleaning and ( pig station)	US-PGPUB; USPAT	ADJ	ON	2007/11/05 11:46
S56	4	cleaning same( pig station)	US-PGPUB; USPAT	ADJ	ON	2007/11/05 11:47
S57	2	flushing same( pig station)	US-PGPUB; USPAT	ADJ	ON	2007/11/05 11:50
S58	1	electrode and (pig station)	US-PGPUB; USPAT	ADJ	ON	2007/11/05 12:08
S59	42	electrode same pig same distance	US-PGPUB; USPAT	ADJ	ON	2007/11/05 12:08
S60	1	electrode and (pig same (minimum distance))	US-PGPUB; USPAT	ADJ	ON	2007/11/05 12:11
S61	114	electrode and (pig same distance)	US-PGPUB; USPAT	ADJ	ON	2007/11/05 12:12
S62	0	notL9 andelectrode and (pig same distance)	US-PGPUB; USPAT	ADJ	ON	2007/11/05 12:12
S63	0	notL9 and electrode and (pig same distance)	US-PGPUB; USPAT	ADJ	ON	2007/11/05 12:12

S64	72	not S59 and electrode and (pig same distance)	US-PGPUB; USPAT	ADJ	ON	2007/11/05 12:12
S65	3	S64 and paint	US-PGPUB; USPAT	ADJ	ON	2007/11/05 12:13
S66	241	electrode and pig and paint	US-PGPUB; USPAT	ADJ	ON	2007/11/05 12:15
S67	1	electrode and (pig station) and paint	US-PGPUB; USPAT	ADJ	ON	2007/11/05 12:15
S68	1	electrode and (pig line) and paint	US-PGPUB; USPAT	ADJ	ON	2007/11/05 12:15
S69	12	electrode and pig and paint.clm.	US-PGPUB; USPAT	ADJ	ON	2007/11/05 12:15
S70	1021	134/22.12	US-PGPUB; USPAT	ADJ	ON	2007/11/05 15:31
S71	675	134/22.12.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/11/05 15:31
S72	39	S71 and pig	US-PGPUB; USPAT	ADJ	ON	2007/11/05 15:31
S73	1693	134/40.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/11/05 15:32
S74	9	134/40.ccls. and pig	US-PGPUB; USPAT	ADJ	ON	2007/11/05 15:32
S75	54	paint.ti. and electrode.clm.	US-PGPUB; USPAT	ADJ	ON	2007/11/08 12:27
S76	1	paint.ti. and electrode.clm. and pig	US-PGPUB; USPAT	ADJ	ON	2007/11/08 12:27
S77	54	paint.ti. and electrode.clm.	US-PGPUB; USPAT	ADJ	ON	2007/11/08 12:28
S78	7	paint.ti. and electrode and pig	US-PGPUB; USPAT	ADJ	ON	2007/11/08 12:28
S79	7	("3562014"   "4416703"   "5192595"   "5632822"). PN. OR ("5882428"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 11:20
S80	156	cleaning and pig and (return path)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 11:22
S81	1	cleaning and (pig with (return path))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 11:22
S82	105	cleaning and (pig with (return))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 11:22
S83	5	cleaning with pig with return	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 11:23
S84	7	pig with (return path)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 11:24
S85	496	scraper and "return path"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/03/31 11:25

S86	32	scraper and "return path" with clean\$3	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/03/31 11:25
S87	0	Gawne-Lawrence.in.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/03/31 11:32
S88	2	Gawne-Lawrence-\$in.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/03/31 11:32
S89	32	paint.ti. and cleaning and pig	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/03/31 11:32
S90	4	paint.ti. and cleaning and (pig with return)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/03/31 11:33
S91	6	paint.ti. and (cleaning with return) and pig	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/03/31 11:33
S92	47	paint.ti. and (cleaning with return)	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/03/31 11:33
S93	6	("4785836"   "5174317"   "5699817"   "5704381"   "6003530"   "6569258"). PN. OR ("7156112"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 11:35
S94	7	(residual paint) with disposed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 11:41
S95	1	(residual paint) with pig	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 11:43
S96	0	(residual paint)iwth out	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 11:43
S97	57	(residual paint) with out	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 11:43
S98	27	(residual paint) with discharge\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 11:49
S99	28	(residual paint) with discharg\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 11:50
S100	66	("3348774"). URPN.	USPAT	ADJ	ON	2008/03/31 11:57
S101	3	(residual paint) and pig	USPAT	ADJ	ON	2008/03/31 12:00
S102	61	(residual paint) and scrap \$3	USPAT	ADJ	ON	2008/03/31 12:02
S103	8	(residual paint) with scrap \$3	USPAT	ADJ	ON	2008/03/31 12:02

S104	28	("2965114"   "5192595"   "5221047"   "5289947"   "5326031"   "5582350"). PN. OR ("6037010"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 12:04
S105	0	coiled particular area	US-PGPUB; USPAT	ADJ	ON	2008/03/31 13:12
S106	13	increas\$3 (resistance or electrical resistance) with coiling	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 13:18
S107	6	cleaning with (two pigs)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 13:22
S108	0	("2006/0048814").URPN.	USPAT	ADJ	ON	2008/03/31 13:23
S109	9	clean\$3 with (two pigs)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 13:23
S110	2	cleaning and paint.ti. and (return path)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 13:25
S111	5	cleaning with (return path) and paint	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 13:26
S112	373	cleaning with (return) and paint	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 13:26
S113	43	cleaning with (return) and paint.ti.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/31 13:26
S114	7	("3562014"   "4416703"   "5192595"   "5632822"). PN. OR ("5882428"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/23 08:14
S115	7	(cleaning or flushing) with ((leading pig) or (two pigs))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/23 08:16
S116	12	(cleaning or flushing) with ((return or reverse) with ( pig))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/23 08:20
S117	0	"residaul paint" pig.ab.	US-PGPUB; USPAT	ADJ	ON	2008/04/24 11:42
S118	0	"residaul paint" and pig.ab.	US-PGPUB; USPAT	ADJ	ON	2008/04/24 11:42
S119	0	"residul paint" and pig.ab.	US-PGPUB; USPAT	ADJ	ON	2008/04/24 11:42
S120	7	"residual paint" and pig	US-PGPUB; USPAT	ADJ	ON	2008/04/24 11:43
S121	22	"6037010"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/24 16:21
S122	28	("2965114"   "5192595"   "5221047"   "5289947"   "5326031"   "5582350"). PN. OR ("6037010"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/24 16:23

S123	17	((residual or remaining near paint) and pig	US-PGPUB; USPAT	ADJ	ON	2008/04/24 16:24
S124	851	((return\$3 or reverse with (cleaning or flushing)) and paint	US-PGPUB; USPAT	ADJ	ON	2008/04/24 16:47
S125	0	((return\$3 or reverse with (cleaning or flushing)) and paintand pig	US-PGPUB; USPAT	ADJ	ON	2008/04/24 16:47
S126	17	((return\$3 or reverse with (cleaning or flushing)) and paint and pig	US-PGPUB; USPAT	ADJ	ON	2008/04/24 16:47
S145	19	((residual or remaining or excess) near paint) and pig	US-PGPUB; USPAT	ADJ	ON	2008/04/25 07:45
S146	1814	((residual or remaining or excess) near paint)	US-PGPUB; USPAT	ADJ	ON	2008/04/25 07:53
S147	81	((residual or remaining or excess) near paint) with dispos\$3	US-PGPUB; USPAT	ADJ	ON	2008/04/25 07:53
S148	17	("1806270"   "3348774"   "3450092"   "3562014"   "4113890"   "4416703"   "4592305"   "5192595"). PN. OR ("5289947"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 07:57
S149	6	((residual or remaining or excess) near paint) and S148	US-PGPUB; USPAT	ADJ	ON	2008/04/25 07:57
S153	0	(push with between pigs with (away or apart))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 09:17
S154	1	(push with between with pigs with (away or apart))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 09:17
S155	406	( between with pigs with (away or apart))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 09:18
S156	41	(introduc\$4 with pigs with (away or apart))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 09:18
S157	5	(introduc\$4 with pigs! with (away or apart))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 09:19
S158	43	(move with pigs! with (away or apart))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 09:20
S159	6	(move near4 pigs! near5 (away or apart))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 09:21
S160	1	(paint near4 pigs! near5 push)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 09:22
S161	1	(paint near4 pigs! near5 (push or move))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 09:22
S162	1	(introduc\$4 near4 pigs! near5 (push or move))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 09:22

S163	18	("4774905"   "5230842"   "5288525"   "5632816"   "6422491").PN. OR ("6589348").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 09:27
S164	7	paint.ti. and (between near4 pigs!)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 09:28
S165	3	("4390126"   "6582774"   "6589348").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 09:33
S166	0	paint.ti. (clean\$3 or flush \$3) with ((reverse or opposite) direction)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 09:51
S167	23	paint.ti. and (clean\$3 or flush\$3) with ((reverse or opposite) direction)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 09:51
S168	28	("2965114"   "5192595"   "5221047"   "5289947"   "5326031"   "5582350").PN. OR ("6037010").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 10:02
S169	94	baumann.in. and paint	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 10:06
S170	42	paint.ti. and (clean\$3 or flush\$3) with (compressed air)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 10:57
S171	26	(US-20050173018-\$ or US-20060086407-\$ or US-20060102650-\$ or US-20020064601-\$ or US-20060048814-\$ or US-20050139237-\$ or US-20040016448-\$ or US-20010013315-\$).did. or (US-5230842-\$ or US-4798474-\$ or US-5882428-\$ or US-6037010-\$ or US-6969427-\$ or US-6589348-\$ or US-6840088-\$ or US-5855062-\$ or US-7156112-\$ or US-3857513-\$ or US-6382220-\$ or US-7117877-\$ or US-7066186-\$ or US-6401768-\$ or US-5289947-\$).did. or (US-3348774-\$ or US-3458133-\$).did. or (JP-2006095495-\$).did.	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2008/04/25 11:10
S172	2	S171 and (sensor same voltage)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:10
S173	15	coiled with (increas\$3 with (electrical resistance))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:17
S174	389	coil\$3 with (increas\$3 with (electrical resistance))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:19



S175	143	coil\$3 near5 (increas\$3 near2 (electrical resistance))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:19
S176	112	coil\$3 near3 (increas\$3 near2 (electrical resistance))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:20
S177	87	coil\$3 near2 (increas\$3 near2 (electrical resistance))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:20
S178	124	coil\$3 near4 (increas\$3 near2 (electrical resistance))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:22
S179	0	coiling near2 (electrical resistance)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:24
S180	3	coiling near3 (electrical resistance)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:24
S181	3	coiling near4 (electrical resistance)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:24
S182	4	coiling near5 (electrical resistance)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:24
S183	0	coiling near5 (provide near3 electrical resistance)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:25
S184	0	coiling with (provide near3 electrical resistance)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:25
S185	0	coiling same (provide near3 electrical resistance)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:25
S186	33	coiling with paint	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:25
S187	25	(coiling with electric\$3) and paint	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:26
S188	3377	(coil\$3 with electric\$3) and paint	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:26
S189	61	(coil\$3 with electric\$3) and paint.ti.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:26
S190	10	"2784350"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/25 11:28
S191	1	("4962724").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/28 08:16

5/ 8/ 2008 8:40:58 AM

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